

17638 U.S. PTO  
08/21/03

Attorney's docket 22638

Box Patent Application  
Commissioner of Patents and Trademarks  
Washington, DC 20231

FIRST CLASS MAILING  
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, or as Express Mail if the number of the Express Mail mailing label is provided below, in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on **AUG 21 2003** (Date of Deposit)

EV330901182

Express Mail Label Number

Signature  
The Firm of Karl F. Ross, . . C

## NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of inventor:

	First Name	Last Name	Residence
1.	Hans-Peter	KÄMPFER	Herborn, Germany

PATENT

Citizenship  
German

For (title):

## HYDROCYCLONE

### 1. Type of Application

- ☒ Utility
- ☐ Design
- ☐ Plant
  
- ☒ Original
- ☐ Divisional
- ☐ Continuation
- ☐ Continuation-in-part

### 2. Benefit of Prior US Application(s) (35 USC 120) or foreign priority (35 USC 119)

- ☐ The new application being transmitted claims the benefit of a prior US application.
- ☒ Foreign priority claimed (see ¶9)

### 3. Papers Enclosed Required For Filing Date Under 37 CFR 1.53(b) (Uti.) or 37 CFR 1.153 (Des.)

- ☒ Pages of specification (6)
- ☒ Pages of claims (3)
- ☒ Pages of Abstract (1)
- ☒ Sheets of Drawing (2)
  - ☒ Formal
  - ☐ Informal

**4. Additional papers enclosed**

- ☐ Preliminary Amendment
- ☐ Information Disclosure Statement
- ☒ PTO-1449
- ☒ Citations (4)
- ☐ Declaration of Biological Deposit
- ☐ Submission of "Sequence Listing," computer-readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino-acid sequence
- ☐ Authorization of Attorney(s) to accept and follow instructions from Representative
- ☒ Other – PTO Data Entry Form
- ☐ Other

**5. Declaration or Oath**

- ☐ Enclosed  
original executed by
  - ☐ Inventor(s)
  - ☐ legal representative of inventor(s). 37 CFR 1.42 or 1.43
  - ☐ joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or could not be reached
    - ☐ this is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached
- ☒ Not Enclosed
  - ☒ Application is made by a person authorized under 37 CFR 1.41(c) on behalf of all the above-named inventor(s).
  - ☐ Showing that the filing is authorized.

**6. Inventorship Statement**

The inventorship for all the claims in this application is:

- ☒ The same
- ☐ Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made
  - ☐ is submitted.
  - ☐ will be submitted.

**7. Language**

- ☒ English
- ☐ non-English
- ☐ the attached translation is a verified translation. 37 CFR 1.52(d).

**8. Assignment**

- ☒ This application is not currently assigned.

**9. Certified Copy**

Certified copy of application

**C untry**

Germany

**Number**

10239358.3

**Date**

24 August 2002

from which priority is claimed

☒ is(are) attached.☐ will follow.**10. Fee calculation**☒ **A. Utility application**

---

**CLAIMS AS FILED**

---

	<b>No. Filed</b>	<b>Base No.</b>	<b>No. Extra</b>	<b>Rate</b>	<b>Basic fee</b>
					<b>\$750.00</b>
<b>Total claims</b>	<b>11</b>	<b>20</b>	<b>0</b>	<b>\$18.00</b>	<b>\$0.00</b>
<b>Independent claims</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>\$84.00</b>	<b>\$0.00</b>
<b>Mult. dep. claims</b>	<b>No</b>	<b>n/a</b>	<b>n/a</b>	<b>\$280.00</b>	<b>\$0.00</b>

---

☐ Amendment canceling extra claims enclosed.☐ Amendment canceling multiply dependent claims enclosed.☐ Fee for extra claims is not being paid at this time.

Filing Fee Calculation

**\$750.00**☐ **B. Design application**

(\$0.00—37 CFR 1.16(f))

Filing fee calculation

**\$00.00**☐ **C. Plant application**

(\$490.00—37 CFR 1.16(g))

Filing fee calculation

**\$00.00****11. Entity Status**Applicant herewith qualifies as a **SMALL** entity.

Filing fee calculation (50% of A, B, or C above)

**\$375.00****12. Request for International-Type Search (37 CFR 1.104(d))**☐ Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

**13. Fee Payment**

- ☒ Not enclosed.  
☒ No filing fee is to be paid at this time.
- ☐ Enclosed.
- |                                                                                                                                                                             |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <input type="checkbox"/> basic filing fee                                                                                                                                   | \$0.00        |
| <input type="checkbox"/> petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or could not be reached | \$0.00        |
| <input type="checkbox"/> for processing an application with a specification in a non-English language                                                                       | \$0.00        |
| <input type="checkbox"/> processing and retention fee                                                                                                                       | \$0.00        |
| <input type="checkbox"/> fee for international-type search report                                                                                                           | \$0.00        |
| <b>Total fees enclosed</b>                                                                                                                                                  | <b>\$0.00</b> |

**14. Method of Payment of Fees**

- ☐ Check in the amount of \$0.00
- ☐ Charge Account 18-2025 for \$0.00. A duplicate of this form is attached.
- ☐ Charge to credit card (PTO-2038 attached.)

**15. Authorization to Charge Additional Fees**

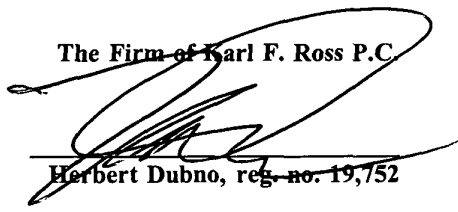
- ☐ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to account 18-2025.
- ☐ 37 CFR 1.16(a), (f), or (g) (filing fees)
- ☐ 37 CFR 1.16(b), (c), or (d) (extra claims)
- ☐ 37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- ☐ 37 CFR 1.17 (application processing fees)
- ☐ 37 CFR 1.18 (issue fee at or before mailing of Notice of Allowance pursuant to 37 CFR 1.31(b))

**16. Instructions As To Overpayment**

- ☐ credit account 18-2025
- ☐ refund

21 August 2003

The Firm of Karl F. Ross P.C.

  
 Herbert Dubno, reg. no. 19,752

**Customer Number 535**  
 5676 Riverdale Avenue Box 900  
 Bronx, NY 10471-0900  
 Tel: (718) 884-6600  
 Fax: (718) 601-1099  
 je